

Title (en)
ON-OFF VALVE

Title (de)
SCHALTVENTIL

Title (fr)
SOUPAPE DE COMMUTATION

Publication
EP 1761722 B1 20080917 (DE)

Application
EP 05736992 A 20050405

Priority
• EP 2005003572 W 20050405
• DE 102004022225 A 20040504
• DE 102004051368 A 20041021

Abstract (en)
[origin: WO2005108838A1] The invention relates to an on-off valve, especially a fast-acting on-off valve, wherein a plunger (6) is pretensioned in a base position. The plunger (6) has a plurality of parallel control edges (50, 52, 54, 68, 70) via which a plurality of sectional opening cross-sections, arranged in parallel in a hydraulic manner, can be jointly actuated to open or close when the valve is switched.

IPC 8 full level
F16K 27/04 (2006.01); **F16K 11/07** (2006.01)

CPC (source: EP US)
F16K 11/07 (2013.01 - EP US); **F16K 27/041** (2013.01 - EP US); **F16K 27/048** (2013.01 - EP US); **Y10T 137/86767** (2015.04 - EP US); **Y10T 137/86799** (2015.04 - EP US); **Y10T 137/86879** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005108838 A1 20051117; AT E408776 T1 20081015; DE 102004051368 A1 20051201; DE 502005005411 D1 20081030; EP 1761722 A1 20070314; EP 1761722 B1 20080917; US 2008041469 A1 20080221; US 7537026 B2 20090526

DOCDB simple family (application)
EP 2005003572 W 20050405; AT 05736992 T 20050405; DE 102004051368 A 20041021; DE 502005005411 T 20050405; EP 05736992 A 20050405; US 58762205 A 20050405